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MARCH 10 1956

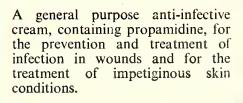
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TOPICAL

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A rapidly effective antihistamine and analgesic preparation for symptomatic relief in allergic and sensitization dermatoses and other irritant skin conditions.





For the rapid control of inflammation, swelling and pain, and for the prevention and treatment of infection in burns and scalds.

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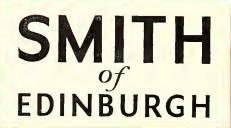
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## ALOIN

Our product, of particularly good appearance, meets the requirements of all pharmacopæias.

## CODEINE

Codeine Phosphate B.P. "Special"—Smith, has a specification which makes it of interest to tablet manufacturers.

# CITRATES

Caffeine Citrate B.P.C., Iron & Ammonium Citrate B.P., Potassium Citrate B.P. & Sodium Citrate, B.P.

# MORPHINE

Long experience and modern manufacturing techniques enable us to supply material of an unvarying, high quality.

## SANTONIN

Colourless, odourless, white crystalline powder; available in packs  $\frac{1}{8}$ th oz. upwards; prices on request.



T. & H. SMITH LTD., BLANDFIELD CHEMICAL WORKS, EDINBURGH II

CLASSIFIED ADVERTISEMENTS

#### APPOINTMENTS

FARNBOROUGH HOSPITAL, KENT.

PHARMACIST required at Farnborough Hospital, Kent, a hospital situated in attractive countryside yet within easy reach of West End of London and local shopping centres. Department of five.

Salary on scale £500 - £25 - £575 - £30 - £725 plus London Weighting Allowance with Whitley Council conditions of service.

Apply giving details of experience to Administrative Officer or ring Farnborough 427 for interview.

BARNET GENERAL HOSPITAL, WELLHOUSE LANE, BARNET, HERTS.

BARNET, HERTS.

Pharmacist. Applications are invited for the post of Pharmacist in the new Pharmacy Department of this Hospital (Category V). Salary £500 x £25 (3) - £575 x £30 (5) - £725 per annum, exclusive of higher qualification allowance and London Weighting. Commencing rate dependent on experience. Applications stating age, qualifications and experience, with names of two referees to be sent to Hospital Secretary. C9682.

ENFIELD GROUP HOSPITAL MANAGEMENT COMMITTEE SENIOR PHARMACIST required for duties within the Group. Salary Scale £575 - £775 per annum. Applications, giving full particulars of experience and names and addresses of two referees to the Group Secretary, Chase Farm Hospital, The Ridgeway, Enfield, Middlesex. C9820.

EVELINA CHILDREN'S
HOSPITAL,
of GUY'S HOSPITAL, Southwark
Bridge Road, London, S.E.I.
ASSISTANT-IN-DISPENSING required to work in a pleasant department; previous hospital experience not essential. Salary on scale with annual increments, meals available. Apply to the Hospital Secretary, Evelina Children's
Hospital of Guy's Hospital, South-

wark Bridge Road, London, S.E.l.

ADMIRALTY PHARMACISTS
Applications are invited from
Pharmaceutical Chemists for
posts as pharmacists in R.N.
Hospitals and Medical Depots at
Home and Abroad. Salary scale
£500 x £25 - £575 x £30 - £725.
Starting pay according to previous professional experience.
Allowance of £25 a year payable
in addition to holders of recognised qualifications higher than
the normal pharmaceutical qualification. Foreign Service Allowance payable overseas. Prospects
of promotion to higher ranks.
Superannuation benefits under
National Health Service (Super-

annuation) Regulations 1950: deduction of 6 per cent. made from salary on that account. (Pharmacists due to be entered for compulsory National Service cannot be accepted as candidates for entry in this civilian grade). Apply to, or call at: Medical Department, Admiralty, Queen Anne's Mansions, St. James's Park, London, S.W.1. C9568.

#### SITUATIONS VACANT

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

DISPENSING ASSISTANT locum wanted for months of June and August by a firm of Bristol Chemists. Write giving usual details including salary required to Box C246.

TILBURY - Locum required for two weeks, other than July 21-August 21. Lady or gentleman. Ample staff. Laverock Ltd., 124 Dock Road, Tilbury, or 'phone TILbury 169. C3422.

DISPENSER - RECEPTIONIST required for firm of Doctors, Northamptonshire. Hall or unqualified with dispensing experience. Please state age, experience and salary required. Box C3434.

BECKENHAM. Unqualified young lady assistant required with experience in dispensing. Good salary and hours. Half-day Saturdays High class residential area, ten miles from London. J.D. Millar, 90 Wickham Road, Park Langley, Beckenham, Kent. C3439

POTTERS BAR. Excellent opportunity for <u>Pharmacist</u> to manage family type business in pleasant district. Permanency with superannuation benefits. Good salary and commission. Nicely fitted shop with adequate supporting staff. Accommodation available if desired. Apply with full details stating when available for interview to Box C3406.

ILFORD. Branch Manager Pharmacist required for busy shop and good dispensing connection. Excellent opportunity for ambitious man to earn substantial salary and bonus. Good supporting staff and modern equipped Dispensary, etc. Permanency with superannuation benefits. Accommodation available if required. Apply with full details stating when available for interview to Box C3407.

EAST MIDLANDS. <u>Pharmacist</u> required as Branch Manager Salary over £900 p.a. plus rota fees, and considerable scope for increase. Attractive house provided at reasonable rent. Modern shop with staff of five. This is a congenial post with excellent working conditions, including superannuation and 44-hour week. Apply General Secretary, Peterborough Co-operative Chemists Ltd., Park Road, Peterborough.

CROYDON - Qualified Manager or Manageress required; basic salary £15 per week plus the use of a flat under a service agreement; superannuation scheme and bonus; also part-time qualified assistant (either sex). D.R. Turvey, M.P.S., 6 The Parade, Mitcham Road, Croydon. Telephone: Thornton Heath 2086.

LOCUM PHARMACIST required for two months from March 19th. Congenial position with full supporting staff. Please state terms to Peterborough Co-operative Chemists Ltd., Park Road, Peterborough.

LOCUM TENEN PHARMACISTS are required for an extended tour of duties in the London and Suburban districts. Permanency at conclusion of tour if desired. Hours 9 a.m. to 6 p.m. Paid holiday. Salary and expenses basis. Applications to Chief Pharmacist, London Co-operative Chemists Ltd., Grange Road, Leyton, E.10 C3408.

YOUNG PHARMACIST required to take charge of warehouse, pharmaceutical chemicals and specialities. Apply: "R.K." Geigy Pharmaceutical Company Ltd., Rhodes, Middleton, Manchester. C9821.

EVANS MEDICAL SUPPLIES have a vacancy for a Representative to call on chemists in Lancashire. Car provided. Pension scheme in operation. Apply stating full details of career to Chemist Sales Manager, Evans Medical Supplies Ltd., Speke, Liverpool 19. C9825

EXPERIENCED REPRESENTA-TIVE required with a firm connection among chemists, ironmongers, hardware shops and department stores in Kent, Surrey and Sussex. Applicants must be car owners, and of good personality and sales ability. Salary, expenses and commission. All letters will be treated in strict confidence. Box C9813.

EVANS MEDICAL SUPPLIES
LTD. Assistant to Publicity Manager required by EVANS MED-ICAL, practical experience of print planning and buying, technical advertising, exhibitions and display essential; pharmaceutical background an advantage; good prospects for man with initiative drive and flair for detail; superannuation scheme; five day week; applications to Pharmaceutical Development Director, Evans Medical Supplies Ltd., Speke, Liverpool 19.

IMPORTANT COMPANY marketing nationally known proprietaries, requires a representative for the East Midland area. The position calls for a thorough knowledge of the trade and an energetic application to the duties involved, but offers excellent prospects. Salary, expenses, superannuation and car provided. Detailed application to Box C9819.

PROCESS WORKER required for the manufacturing department of toilet preparation manufacturers in South East London. 5-day week. Write stating age, experience and salary required to Box C3436.

THE WELLCOME FOUNDATION LIMITED have a vacancy for a pharmacist, preferably under 30, in their Pharmaceutical Development Laboratories at Dartford. The work of the laboratories includes the formulation of new products; the development of laboratory methods of preparation into manufacturing processes; the investigation of problems which arise in the manufacturing unit. The problems dealt with are varied and the post should appeal to a pharmacist with a leaning towards research, but who has an interest also in large scale manufacture. Salary will be agreed on the basis of qualifications and experience. Applications should be addressed to the Personnel Manager, Wellcome Chemical Works, Dartford, Kent, marking the envelope P/D/L. C9823.

REPRESENTATIVES (part-time) with real selling ability, required to extend sales of well-known nonseasonal and untaxed proprietary with exceptional potentialities. Non-competitive. Other products available. Territories include London and Home Counties, North Eastern Counties, Scotland. Applicants must be car owners with strong personal connections amongst chemists etc. Excellent progressive terms to the right men. Fullest details, in confidence, including age, territory and selling background. Box C3438.

LEADING OLD ESTABLISHED COMPANY handling extensive range Fine Chemicals and Pharmaceuticals has vacancy for outside Representative covering United Kingdom previous experience an advantage. Reply stating salary required previous experience Box C9809.

GENERAL MANAGER. International organisation marketing well established, advertised toilet and cosmetic products requires the services of a General Manager. Appointment, which includes Directorship, entails Executive responsibility for sales, accounting, and manufacture, etc. in Great Britain and Commonwealth. Applicants must have proved ability in general management and possess financial acumen. Applications, providing details of previous experience, age and salaries earned, should be sent to Box C9814.

REPRESENTATIVE. Old established London pharmaceutical company of highest repute requires a representative for the Midlands area. Applications are invited from gentlemen with a good pharmaceutical background living in or near Birmingham. Remuneration by salary expenses and bonus according to personal achievement. A company car is provided. Give full particulars in confidence of experience to date, age and salary expected. Box C9811.

YOUNG PHARMACIST required by well known pharmaceutical manufacturers with factory in Scotland. The post is an interesting one on the production side, and preference will be given to candidates having had some industrial experience. Familiarity with the preparation of sterile products would be an advantage. Please address applications giving full details of education and experience to Box C9810.

SALESMAN: A leading pharma-ceutical company invite applications for positions as salesman to call on wholesale and retail chemists. There are vacancies in a number of territories. The essential qualifications are sales ability and enthusiasm. A knowledge of pharmaceutical products and the chemist trade is desirable. There is a non-contributory pension scheme in existence, and a car will be provided. Good starting salary and expenses. Applications showing age, qualifications full details of experience and salary required to Box C9747.

C.J. HEWLETT & SON LTD. require Pharmacist for the Watford factory to take control of the Analytical and Bacteriological Laboratories. Previous industrial experience essential. 5 day week, Pension scheme. Apply in writing to the Technical Director, C.J. Hew lett & Son Ltd., King George's Avenue, Watford.

MANAGERIAL ASSISTANT required to train in all duties. Production, Buying, Despatch, Stock, Exports etc. Knowledge of Pharmacy an advantage. Age 25-35

years, with initiative and ability Salary £450/£500 to commence. Modern Factory, pleasant Shropshire Town. Full details in confidence to Box C9831.

NORTH LONDON - Manager Director required for substantial business; share investment can be arranged if desired, subject to an initial period of satisfactor service; good living accommodation available; the position will carry with it a good basic salary plus bonus, and later on (with the proviso as stated) a share of profit by way of dividend. All replie treated in strict confidence. Please write initially to Box C247.

MEDICAL REPRESENTATIVES Due to business expansion Sando Products Ltd. invite applications from young men for the appointment of medical representative in the following areas:- (a) Cam bridgeshire, Huntingdonshire, Norfolk and Suffolk, (b) South Wales, including South Welsh counties and Monmouthshire, (c) Oxfordshire, Berkshire, Bucking hamshire Northamptonshire and Wiltshire, (d) Glasgow, and Nort West Scotland. Attractive salary Superannuation scheme in opera tion. Thorough training given. Age not exceeding 32. Applicants should be pharmacists, (preferably F.P.S.) Please send full de tails of age, education, qualifica tions and experience with photograph (which will be returned) to Staff Manager, Sandoz Products Ltd., 134 Wigmore Street, London, W.1. EXPORT - First Class export

department of long established American drug and chemical Company in City. Energy, drive ar desire to initiate overseas business essential together with ful knowledge documentary procedures. Give full details in strict confidence in first letter. Early interviews arranged. Box C9796 G.D. SEARLE & CO. LTD., require a pharmacist or works ch mist for control of pharmaceut ical manufacture near London. This is an important appointme with excellent prospects for the right man. A good salary, 5-day week, pension scheme, etc. Applications, giving full details of qualifications and experience to

clerk required to take charge of

G.D. SEARLE & CO. LTD., require an experienced analyst to take charge of analytical labor tory near London. A good salar will be paid to the right man. Good working conditions, 5-day week, pension scheme, etc. Ap plications, giving full details o qualifications and experience t the Managing Director, 83 Craford Street, London, W.l. G34.

the Managing Director, 83 Cray ford Street, London, W.1. C3420



# Metal Box Know-how at work ...



This container problem was studied with a doctor's eye. So the
answer gives essential hygienic protection to the adhesive plaster,
delivers three different widths with the handy speed which first-aid requires,
looks clean, efficient and clinical. Ordinary reels and pocket
first-aid outfits such as are illustrated here are equally products

of careful thought and design which fit them admirably for the job they are required to do.

#### THE METAL BOX COMPANY LIMITED

Metal Containers · Paper Products · Flexible Packages · Plastic Films & Laminates

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What a lovely display they would make on your Counter or in your Window! These are but a few examples of Polythene bottles and jars from the exceptionally wide range of "Sufon" stock moulds. With colours and caps variable, there is something to suit most needs.



Only the genuine "SKYLON" product bears this Trade Mark.

Other articles from our range of Polythene containers include bottles and jars from 5 c.c. to 13 gallon capacity.

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### Taste, Tolerance and Efficiency in

# Iron Therapy

Difficulty in treating an iron-deficiency anaemia is more often due to "consumer-resistance" to unpleasant remedies than to any refractoriness of the anaemia itself.

Ferlucon Elixir, a highly stable solution of Ferrous Gluconate, has a high utilization rate, and is both palatable and well-tolerated.

It is suitable for the treatment of all iron-deficiency anaemias—especially those of childhood and pregnancy, when palatability and absence of unpleasant alimentary disturbances are of particular importance.

Each teaspoonful (3.5 ml.) contains 0.3 g. Ferrous Gluconate (Evans)

# FERLUCON ELIXIR

Presentation: Bottles of 4 fl. oz. (114 ml.) · Bulk packs
Ferlucon Tablets containing 0.3 g. Ferrous Gluconate are also available



#### **EVANS MEDICAL SUPPLIES LIMITED**

Speke, Liverpool 19 Ruislip, Middlesex



'ANCOLOXIN'

**TABLETS** 

Safe relief from morning sickness

Ancoloxin tablets contain: meclozine dihydrochloride (as in Ancolan tablets) 25 mg.—the well-tolerated long acting anti-emetic plus pyridoxine hydrochloride (vitamin B<sub>6</sub>) 50 mg.—

to correct amino acid metabolism. They provide symptomatic relief and sustained freedom from nausea and vomiting.

> RETAIL Tubes of 10 tablets 6/8 10/-

Bottles of 50 tablets 28/-42/-

BRITISH DRUG HOUSES LTD. LONDON N . 1



222-224, HARROW ROAD, LONDON, W.2 Telephone: CUNningham 1172-3

Spring is treacherous. Lots of customers will be asking you for a remedy for colds and catarrh - sell them

# BESORBO

MEDICINAL SNUFF

the proved remedy

Your wholesaler can supply you promptly. Orders of one dozen come in attractive counter display box for

MORE SALES - MORE PROFIT

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gives CLOSER shaves . . .

#### **ROTARY ACTION**

gives QUICKER shaves . . .

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gives SMOOTHER shaves ...

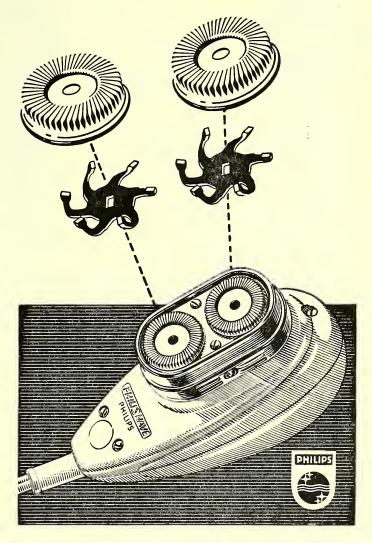
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#### **ROTARY ACTION**

gives BETTER shaves

all round!

In the Press... on the hoardings... over the air from Radio Luxembourg... displayed at shops and exhibitions the length and breadth of the country—'Philishave' Rotary Action will be the sales attraction of the year! The 'Philishave' leaflets and display material tie up with this colossal campaign. Make sure you get your supply.



**Demonstrations and Free Trial Offers** are the trump cards **you** can play to clinch sales of the Philishave.

Please note: as part of their service, to assist you run Free Trial Offer schemes, Philips sterilise any 'Philishaves' you loan on trial. Shavers are returned in brand new condition. Full details can be obtained from the address below.

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THE DRY SHAVER WITH THE BIGGEST ANNUAL SALE!

A product of Philips Electrical Limited • Century House • Shaftesbury Avenue • London • WC2

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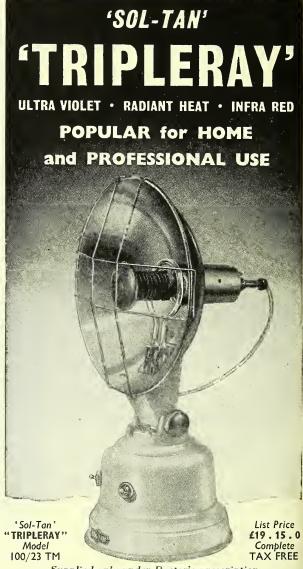
Try it for yourself

NYLON AND BRISTLE 1/8 & 2/3

All you have to do is display. Spa toothbrushes sell themselves. Spa caters for the discerning consumer and for the retailer who wishes to offer his customer something better than the ordinary run of toothbrushes.



Order · Display · Sell



Supplied only under Doctor's prescription

#### A Sol-Tan for every Purse and Purpose

For home, professional and hospital use "Sol-Tan" produce a wide range of Health Lamps and Electro Medical appliances. They are scientifically designed, fully tested and guaranteed for 12 months. Ask for details of the tax free Infra-Red Table model selling at the low price of £3.10.0.

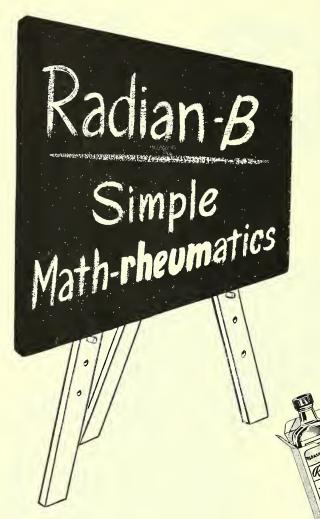


Write for details and Catalogues to
THE LONDON COMMERCIAL ELECTRICAL STORES LTD.
20-23 Cursitor Street, London, E.C.4



Infra-Red Table Model, Long or Medium Wave. Only sold against Doctor's prescription.





WHY is public demand for Radian-B increasing daily?

WHY do the same customers constantly come back for more?

WHY are more and more doctors prescribing Radian-B?

BECAUSE the public and the doctors know that Radian-B gives value for money.

Work it out for yourself. A 4 oz. bottle of Radian-B retails at 4/1d., only just over 1/- per oz.!

#### ... just a question of SIMPLE MATH - RHEUMATICS!

There's more to it than that. Look at the formula. Your knowledge will tell you that those ingredients, in a spirit base, mean value in the fullest sense, over and above mere f, s. d.

A healthy proportion of Radian-B sales come in the best way-from personal recommendation. But we don't leave it at that. Radian-B is widely advertised in the national and provincial Press, women's magazines and sporting journals.

> And of course there's an added attraction for you: a 5% Display Bonus on direct orders of 2 dozen Radian Products costing £3. o. o (excl. p. tax). Any combination of 2 dozen Radian Products makes up this Bonus Parcel. Take advantage of this offer-send your order NOW!

#### ORDER FORM

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PRODUCT	QUANTITY	
Radian-B	to a second continuous and a s	
Radian-A	TOTALS	2 doz. @ 30/-
Radian Massage Cream	less 5%, p	olus 30%
Radian Soothing Cream		
Radian Ovals		
Retail pri	ce 4/1d. each—total profit on 2 doz. = £1. 3. o.	
AME	30	
DDRESS		

# An announcement of importance...

# PETROLE HAHN

is now distributed

\_ by \_

# W.B. CARTWRIGHT LTD.



#### W. B. CARTWRIGHT LTD.,

are pleased to announce that they are now the Distributors of

#### PETROLE HAHN

the remarkable French Hair Treatment

#### **NEW REDUCED PRICES**

SMALL SIZE RETAIL PRICE LARGER SIZE RETAIL PRICE

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PER DOZEN PER BOTTLE PER DOZEN PER BOTTLE

PETROLE HAHN is available from your usual Wholesaler or direct from:

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# MEGGEZONES

help your customers to weather the winter

free from coughs, colds and catarrh

# MEGGEZONES



national advertising in the press, on posters

and cinemas, maintains high sales

# MEGGEZONES

should be prominently displayed by chemists

LIBRARY particularly at the present time

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No.



Volume 165

#### SOUTH SOLID FOR N.P.U. POLICY

Unanimous Confidence in Central Committee

MEMBERS of the National Pharmaceutical Union from the counties of Gloucestershire, Dorset, Berkshire. Hampshire, Somerset and Wiltshire, at an area conference at Bournemouth on March 4, unanimously pledged "fullest support" for action taken recently by the Central N.H.S. (Chemist Contractors) Committee.

The action referred to was pressure on the Ministry of Health for an immediate increase of 25 per cent in chemist-contractors' gross remuneration and refused to co-promote in the contractors of the con and refusal to co-operate in an inquiry into Drug Tariff prices until their economic interests had been equitably dealt with.

agreed Members also to immediate action individually to try and secure modification of the Restrictive Trade Practices Bill to prevent price cutting in medicinal and toilet preparations. Form of action recommended was a letter or telegram sent off on March 7 to Members of Parliament in the following terms:-

We urge that Clause 19 of the Res trictive Trade Practices Bill should be amended so as to permit collective enforcement of resale price resale price maintenance in special cases, subject to approval of the Restrictive Practices Court and to any other super-vision and control which the Government may think desirable.

The conference was the eighth in a series aimed at enabling members unable to attend national conferences to meet officers of the National Pharmaceutical Union. It discussed a number of controversial resolutions on N.P.U. policy, Chemists' Federation matters, and the remuneration of chemist-contractors, and heard progress reports. A fuller report will be given when the printing situation permits.

#### **DUBLIN FAIR TRADE COMMISSION**

Final hearings of evidence

MR. BRENDAN SMITH (secretary, MR. BRENDAN SMITH (secretary, Irish Drug Association) gave further evidence before the Fair Trade Commission on February 24. At the previous day's hearing he had said he thought that in the United Kingdom the National Health Service professional transfer in the Irish Service professional Health Service profes sional fee gave chemists a better rate of profit than chemists in Ireland obtained. Discounts as high as 40 per than chemists in Ireland cent were, he said, allowed by the Northern Ireland Government on Northern different things to encourage chemists there to carry stocks, thus ensuring that facilities and services were unat facilities and services were immediately available to fill an urgent prescription. When MR. VALIGIES BLICKLES BUCKLEY (a member of the Commission) asked Mr. Timothy J. Gleeson the direction, in the I.D.A. book, that the minimum price to be charged for an ointment dispensed was to be 2s. 6d., meant that, where only  $\frac{1}{2}$  oz. of an ointment was to be supplied that charge was still to be made, MR. GLEESON replied that it did not. "It all depends on the particular type of ointment. If it was a simple ointment would not dream of charging 2s. 6d. MR. BUCKLEY then asked if a chemist who took pills from one container and put them into another with directions would charge a dispensing fee. MR. GLEESON replied that he would not in all cases charge a fee for dispensing pills. It would depend on the type of pill. Where he had by law to make an entry of the prescrip-tion he would make a charge. Quite a lot of pills might contain Dangerous Drugs. MR. TIMOTHY B. O'SULLI-VAN said that he invariably charged a dispensing fee except to a poor customer, for whom he might not. Asked if he would charge 1s. 6d. on  $\frac{1}{2}$  oz. fourpence worth of ointment, Mr. O'Sullivan said that, if the doctor who wrote the prescription charged a £2 2s. the chemist charged only fee, and fourpence it would be letting the doctor down. He agreed that compounding was nearly a lost art and most things were now supplied in a proprietary form. Most prescribing for tablets and not pills. today was The Commission went into private session.

The final sitting of the inquiry was held on February 28. MR. C. V. CHESSON (managing director, Aspro (Ireland) Ltd.) said his company had always considered that wholesalers should maintain regular prices, but since the inquiry in April 1955 pricecutting was so much out of hand that they decided to state on their invoices conditions of sale. They started to code stocks. In that way they found where cut-price shops were getting supplies. They then asked wholesalers to sign a similar agreement. So far as they knew there were no price-cutting shops outside Dublin. MR. MICHAEL DARGAN said that pricecutting among chemists might lead to practices not in the interests of medical profession or public. MR. PETER J. BARDON said that in his pharmacy the prescription business was "carried" by the prominder J. by the remainder. In January 1956 his dispensing business was 14 per cent of his total turnover. He was at a disadvantage in the sale of other goods because as a pharmacist has goods because, as a pharmacist, he was forced by law to pay a higher

percentage of wages than his competitors; he had to have qualified staff on the premises all the time. Asked by MR. VAUGHAN BUCKLEY, who conducted the inquiry, if he had ever conducted the inquiry, if he had ever heard of a chemist cutting prices MR. BARDON replied "No, they cannot afford to cut prices." MR. MICHAEL FORTUNE, Wexford, said that he worked 60 to 65 hours a week. At 5s. an hour that came near his net earnings and compared with 4s.-5s. an hour earned by workers in Wexford iron foundries. Dispensing fees would depend on time and materials used: sometimes only sixpence and cost of container; sometimes 1s. 6d.

#### NEWS

ORANGE National Insurance cards finished on March 3 and should be exchanged for new cards at a local Pensions and National Insurance Office between March 5 and 10. THE Minister of Health has written to the British Medical Association

suggesting an inquiry into ways in which doctors can eliminate unneces-

which doctors can eliminate unnecessary cost in medicines prescribed under the National Health Service.

THE special University lectures on "The Future of Pharmacy in Relation to World Needs" due to be given at the London School of Hygiene and Tropical Medicine, on March 7 and 15 have had to be cancelled owing to the illness of Sir Harold Hartley. the illness of Sir Harold Hartley.

ELECTED at annual meeting of Lon-

don Chemists' Golfing Society on February 23 were: President, W. E. February 23 were: President, Swanston; Captain, B. F. Tisdall; Vice-captain, E. G. Nice; Secretary-treasurer, A. S. Jerwood, 47 Grays Inn Road, London, W.C.1.

THE following amendments to Addendum 1955 to British Pharmacopoeia 1953 are official from March 1: Last sentence, giving strength to be dispensed or supplied in absence of instructions, is deleted from monographs, p.3, tablets of amphetamine sulphate; p.57, injection of methylamphetamine hydrochloride; tablets of methylamphetamine hydrochloride.

NOMINATIONS for election of contractor representatives to Glasgow Pharmaceutical Committee were fewer than the number of vacancies; the returning officer has therefore declared the following elected: J. Allan, F. Baillie, R. B. Birrell, W. C. Carmichael, D. McG. Dick, W. Dickson, R. Donald, H. Kerrigan, J. D. Mair, J. M. Murison, A. Officer, W. Peebles, J. Rigg, J. Whyte, W. Wilson.

THE Ministry of Health has written to pharmaceutical services contractors other than registered pharmacists or authorised sellers of poisons, pointing out that they must not under their contract (1) dispense medicines or (2) supply drugs and preparations which they are not by law entitled to sell. Dispensing is considered to be in general the act of interpreting the doctors' directions and labelling the container; it includes dilution of a concentrated preparation with water and labelling a preparation with direc-tions given in the National Formulary or other reference work in the absence of specified directions.

COMMENT

#### Mistaken Identity

UNDOUBTEDLY the terms of the Restrictive Trade Practices Bill came as a surprise to the Proprietary Articles Trade Association. The Association had thought with apparent reason that its case had been accepted in one essential argument - namely that its particular system of collective maintenance of resale prices was not monopolistic in its effect but the reverse. The evidence is plain for all to see that it has enabled the small retailer, the small wholesaler, and the small manufacturer to resist being swallowed up by the larger. The P.A.T.A. system has been hanged for its name, which it shares with a variety of practices devised by large manufacturers in their own interests. The brief interval between the first and second readings of the Bill left P.A.T.A. members little time to educate Members of Parliament in an endeavour to secure a modification of that harsh treatment. Prompt action by the Association and by the National Pharmaceutical Union did at least have chemists up and down the country making their own Member aware that they had a point of view to ventilate. Some of those who had personal interviews found a sad ignorance of the situation. The need to continue educative propoganda has certainly not ended. For a long time yet it will be necessary to spread among politicians and public alike the fact that the "small man's" existence is at stake, and with it the welfare of the shopping public.

#### REFLECTIONS TOPICAL By Xrayser

AMONG the resolutions for the May meeting of Branch Representatives are two which urge the necessity of smoothing the path of the university graduate so as to offer inducements to him to become a member of the Pharmaceutical Society, and to be "registered". It is desirable not to have too big a distinction between degree and diploma. Pharmacy may be expected to become more and more a matter for the universities. Entrance standards for degree and diploma have almost reached parity. In a centre where both courses are open to him, the student may be drawn to the degree course. Prestige may influence, or the thought that a degree opens doors to research which, rightly or wrongly, he feels the diploma may not do. The evident bias of the Council towards the whole academic course being undergone continuously is another possible incentive to spending an extra year and graduating. If pharmacy is to advance professionally, the degree may be the best way to set about it. But conditions of registration must be laid down by the Society and they must not be made easy. If the diploma recedes and the degree gains ground, no mere examination in forensic phermacy will suffice; practical pharmaceutics must be included in the subjects required for admission to the register. One good feature of the diploma has been its uniformity over the country. It seems unsound to accept as conclusive the evidence of an internal examination in either pharmacoutics or forensic pharmacy.

One sometimes wonders how much intelligence the manufacturers of certain proprietary medicines credit the pharmacist with. All are fam-

iliar today with the antibiotic powder or granule type of product requiring only the addition of a measured quantity of water. method seems to be in particular favour wi transatlantic manufacturers. Before long we expect to be confronted with a carton bear instructions like: "Before removing the bo from this carton, open the carton. After h removed the bottle from the carton, measur carefully  $41\cdot25$  c.c.of water in a measure. this on to the powder contained in the bot but be certain to remove the screw-cap fro bottle before pouring in the water. Replac cap before shaking the bottle, as otherwis some of the contents may be spilt. After s ing for three minutes and thirty-five seco put a label with directions on to the bott

#### BUSINESS CHANGES

TRUFOOD, LTD., have appointed Mr. G. E. Ed their representative in South Wales. THE telephone number of Duncan, Flockhart Ltd., Edinburgh, is being changed to Waverl 3272 from March 16.

MR. ARTHUR FLOOD, M.P.S., 44 Winchester Str Overton, Hants, has disposed of his busine 35 High Street, Overton, to Mr. C. F. Flee M.P.S.

ORTHO PHARMACEUTICAL, LTD., have appointed Alexander Macfarlane their medical represe ive for the Eastern Counties of Scotland a Kenneth Smithson for Middlesex and West Lo

#### DEATHS

CAIRNS: Recently, Mr. Thomas Cairns, M.P. Highfield, Mottram Old Road, Stalybridge, C Mr. Cairns qualified in 1912.

COSTIGAN: On February 1, Mr. William Cost M.F.S., 2 Seacombe Avenue, Cullercoats, No Shields, Northumberland. Mr. Costigan qua ied in 1921.

DUNN: On February 15, Mr. Percy Dunn, 65 Northbrook Street, Newbury, Berks, aged ei one. Mr. Dunn qualified as a chemist and druggist in 1898.

GUNNER: On November 18, 1955, Mr. Percy Gunner, 16 Constance Road, Whitton, Middle Mr. Gunner qualified as a chemist and drug in 1927.

KILBY: On February 13, Mr. Herbert Wilfri Kilby, M.P.S., 10 Park Square, Luton, Beds aged seventy two.

LIVESEY: Recently, Mr. Thomas Walter Live M.P.S., 4 St. Silas Road, Blackburn, Lanc aged eighty three. Mr. Livesey was in bus in Blackburn for twenty-five years prior t retirement in 1939. He is survived by his ow, a son and a daughter.

McKAY: In Stonehouse, Lanarks, on Februar Mr. David Edward McKay. Mr. McKay qualifi as a chemist and druggist in 1904.

MAJOR: Recently, Mr. Wilfred Audas Major, M.P.S., 22 Cockethurst Avenue, Eastwood, Le on-Sea, Essex, aged forty-nine. He had for past six months been proprietor of the che ist's business at Leigh-on-Sea of which he been manager for the previous four years.

WILLIAMS: Recently, Mr. John Ifor William M.P.S. White Lilacs, Glan-y-mor Road, Pen rhyn Bay, Llandudno, Caernarvons, aged six eight.

# COUGH ITS CAUSE AND TREATMENT

By S. J. HOPKINS, F.P.S.

THE main aim of any form of therapy is the removal of the underlying cause of symptoms, but cough is a condition which frequently demands some measure of symptomatic relief. Few symptoms are as annoying to patient and physician alike as coughing, but successful treatment is often very difficult to achieve. Further, although cough as such is a minor disorder, it may become a major factor, as by interfering with sleep, it may weaken and exhaust the patient, and protract recovery.

Coughing is a response to the stimulation of the respiratory mucous membranes. The most sensitive areas are the larger bronchi, the point of division of the trachea, and the larynx. An irritant stimulus leading to coughing may arise from foreign matter, which includes masses of exudate, pressure, as from aneurysms and tumours, or from local inflammation. The act of coughing, which is a reflex one, consists essentially of a short inspiration, followed at once by a closure of the glottis and forcible expiratory effort. The glottis then opens suddenly, and the irritant material present is moved along the air passages. This is repeated until the irritant reaches an insensitive area, when the coughing ceases.

The considerable degree of pressure set up in the lungs produces a rush of air through the larger bronchi, and during a violent cough the speed of the air in the trachea may rise temporarily to 40-60 miles an hour. Thus it is hardly surprising that a gale force cough should be effective in removing unwanted irritants from the larger bronchi. Air movements in the smaller bronchi are much less, and the protective mechanism is much less efficient. The finer bronchi are not ciliated, and are normally kept clear by absorption rather than expectoration. If an irritant substance does reach such delicate tissues, the flow of exudate evoked in response may be so great as to cause pulmonary oedema.

Thus, normally, coughing is a valuable protective reflex, and care should be taken when seeking to modify or suppress it. There are however certain recognised conditions when relief is essential. These include the frequent, dry and hacking cough of the early stages of acute bronchitis. This is sometimes termed useless cough, because it does not remove any phlegm, and is due to bronchial hypersensitivity, although pleural inflammation can cause a very similar cough.

In bronchial asthma the cough may be due to thick tenacious mucus which is difficult to move, whereas in severe bronchitis the secretion may be so copious and fluid that frequent coughing is essential to remove the excess. In exhausted or aged patients the physical effort required to produce an effective cough may be impossible, and in such cases postural drainage may be a great help.

Cough remedies are drugs that give symptomatic relief only, and an accurate assessment of their real value is not easy to achieve. Variations in individual response to cough-initiating stimuli, and the effects of suggestion, combined with the possibility of spontaneous improvement, render any attempts at comparative evaluation extremely difficult.

In the main, as sputum and cough are so interwoven from the therapeutic point of view, cough remedies can be divided into two groups, those that increase the fluidity of sputum, and those that depress the cough centre.

#### **Expectorants**

STEAM: One of the oldest, simplest and most efficient expectorants is steam, when applied properly. A high degree of humidity is essential. When the air of the sickroom is saturated with steam, the consequent reduction in viscosity of the sputum affords considerable symptomatic relief.

CARBON DIOXIDE: The properties of carbon dioxide as an expectorant have been investigated by Basch and his associates, who report it to be one of the most efficient expectorants known. It lowers the viscosity of thick tenaceous sputum, and reduces the amount by promoting resorption by the bronchial mucosa. Carbon dioxide also increases the frequency and depth of respiration, which promotes ventilation of the lungs, and by stimulating the cough reflex it promotes expectoration. A concentration of 5-10 per cent. of carbon dioxide is sufficient, and the gas may be used in conjunction with steam inhalations if required.

Ammonium Salts: There is a long tradition behind the use of ammonium salts in cough mixtures, but pharmacologists have difficulty in adducing proof to support the tradition. It has been said that ammonium carbonate and chloride cause a reflex bronchial secretion by virtue of the mild gastric irritation they produce. In full doses, admittedly, ammonium salts do cause nausea by irritation, but that is seldom experienced with the small doses used in cough mixtures. In fact, Goodman and Gilman suggest that any liquefaction of bronchial secretion following ammonium therapy is due solely to the water present in the mixture.

IODIDES: The iodides have a stimulating effect on the bronchi, and the amount and the fluidity of bronchial secretion is increased by their use. In early and acute inflammatory conditions of the bronchial tract iodides may prove irritating, and they are best reserved for use later when the phlegm is tough and scanty. Doses of 5–10 gr. of potassium or sodium iodide are usually prescribed, often with other expectorants. Larger doses tend to increase both lachrymal and nasal secretions, and are seldom necessary. It should be noted that iodides are not suitable for tuberculous patients, owing to the risk of reactivating dormant lesions.

IPECACUANHA: Ipecacuanha, especially as the once familiar wine, has long enjoyed a reputation with both medical men and the laity as a remedy for cough. Its stimulant action on bronchial secretion is common to many emetics as, by an irritation of the sensory nerve endings in the stomach, they produce an increased and less viscous secretion by a reflex action on the vagus centre. A similar effect is produced by senega, squill and purely chemical emetics such as potassium antimony tartrate. The action of ipecacuanha is mainly due to the alkaloid

emetine, which in full doses is a prompt and powerful emetic.

In passing, it is that emetic action which raises such difficulties in the treatment of amoebiasis with oral emetine. Ipecacuanha is frequently prescribed with ammonium salts, and camphorated tincture of opium may also be added when the cough is frequent and distressing.

TERPIN HYDRATE: Terpin hydrate has been widely used in America in the treatment of chronic cough, but has never achieved great popularity in England. That may be due in part to the relatively low doses used, for to be effective the compound must be given in doses of about 5 gr. Terpin hydrate is chiefly indicated in conditions where cough is associated with the abundant production of watery sputum. It relieves cough and reduces the amount of secretion.

VOLATILE OILS: Many volatile drugs are excreted by the bronchial mucous membranes, and those that exert a mild stimulant action during excretion act as expectorants. Drugs of this class include oil of turpentine, creosote, eucalyptol, camphor, and balsams of Peru and tolu. Some of those drugs are also mild gastrie irritants, and thus have a double action as expectorants. Conversely, many volatile oils have a reflex sedative effect when used as counterirritants, and the use of menthol, camphor, eucalyptus, chloroform and turpentine as chest liniments and applications is based upon that action.

#### Cough Centre Depressants

CODEINE: There are many occasions when cough is both excessive and unproductive, as well as being very exhausting to the patient. In such cases depressing the cough reflex by a specific central depression may afford the greatest degree of relief. The aim of treatment should be to reduce the sensitivity of the cough reflex, but not to abolish it. Morphine has a potent action of that kind, but unfortunately it reduces respiration as well, and in practice codeine is the drug of choice. Doses sufficient to relieve the cough have little effect on respiration and are free from the constipating and habit-forming effects of comparable doses of morphine. In the severe and persistent codeine may be ineffective, and recourse must be made to diamorphine.

DIAMORPHINE: The drug diamorphine is a most effective cough centre depressant, but the margin between the depressant and completely suppressive doses is small. Further, the risk of addiction to diamorphine is such that the drug should be reserved for patients unlikely to benefit from less potent drugs.

METHADONE: The compound methadone (dl-6-dimethylamino-4:4¹-diphenylheptan-3-one), is a product of war-time research. It was synthesised in Germany by the Hoechst division of the I.G. It has analgesic activities similar to

those of morphine, but one of its most outstanding properties is its cough suppressive action. In that it is comparable to diamorphine, and when cough is severe, useless and exhausting, as in bronchiogenic carcinoma, pertussis, tuberculous tracheo-bronchitis, or bronchiectasis, methadone can be invaluable. In such cases codeine may no longer afford relief, and a more potent drug is indicated. The risk of addiction with amidone (methadone) is slight, and the antitussive potency is retained even when the drug is administered over long periods.

The methadone linctus of the National Formulary contains gr. 1/32 in 1 fl. dr., and is obviously intended for adults. Its use for young children is not without danger, and

some deaths due to accidental overdosage have been reported.

The makers of a proprietary linetus containing a similar amount of methadone recommend that, for children, the product should be diluted eight times with simple syrup. The recommended doses of the diluted linetus are one teaspoonful four-hourly for children under ten years of age, and two teaspoonfuls for children above that age.

DEXTROMETHORPHAN: Many therapeutically active substances occur naturally only as the laevo-rotatory isomers, the corresponding dextro forms being much less active. Adrenaline is a familiar example. With other compounds the dextro form is unknown, or is a chemical curiosity. The synthesis of certain morphine substitutes led to a systematic examination of both dextro and laevo forms, and some basic differences were discovered.

Several isomers were found to be devoid of any significant analgesic potency or potential addiction liability, but some exhibited considerable antitussive activity. Following clinical trial, one of those compounds, dextromethorphan, has now been placed on the market under the name Romilar. Chemically it is (-)-3-methoxy-N-methyl-morphinan hydrobromide, and bears much the same structural relationship to levorphan as codeine does to morphine.

Weight for weight it is no more effective than codeine, but its specific action on the cough centre, and the absence of respiratory depression or risk of addiction, place the drug in a class apare. Furthermore, dextromethorphan does not produce the nausea and drowsiness of codeine, but its constipating effect may occasionally prove troublesome.

PHOLCODINE: Amongst the antitussives derived from morphine, pholcodine occupies an exceptional place. Chemically it is an aminoalkyl ether having the following structure:—

and may be prepared by refluxing morphine with morpholinyl-ethyl hydrochloride in alkaline solution. The pholodine precipitates out, and may be recrystallised from benzene.

Pholcodine is characterised by a low toxicity, and it has none of the addiction-producing potentialities of diamorphine. It is free from the constipating effects of codeine, but its antitussive action is much greater, and in therapeutic doses it has no significant effect on respiration. The average adult dose of pholcodine is 4–8 mgm., and the drug is usually exhibited as a linctus containing 4 mgm. per dr. The low toxicity of pholcodine makes it of exceptional value in the treatment of unproductive cough in children, and the linctus in appropriate dose may be very useful in securing a good sleep, uninterrupted by exhausing spasms of coughing, during an attack of pertussis.

TAORYL: The compound taoryl—bis-[1-(carbo- $\beta$ -diethylaminoethoxy)-1-phenyl-cyclopentane] ethane disulphonate—is of Swiss origin, and under the name Toryn has also been

studied in the United States. The American report refers mainly to patients with severe cough, and the trials were designed to compare the action of the drug with a placebo, eodeine and dihydrocodeinone. Considerable relief was experienced by many patients, and more than half the patients taking part expressed a preference for the new drug.

With large doses, drowsiness and dizziness became more apparent. Those side-effects were increased in ambulatory patients, but were eliminated by adjustment of dose. An average dose is about 10 mgm., which may be taken three or four times a day. Freedom from the constipating effects of drugs of the codeine type was a noteworthy feature of the compound.

The action of Taoryl appears to be twofold as, apart from its selective action on the cough centre, it has an antispasmodic effect on the bronchial tract. That combination of properties is reflected in the therapeutic efficiency of the drug in irritative cough of any origin.

SEDULON: The piperidine derivative Sedulon is a mild central depressant with some specific effect on the cough centre. It may be described as 3:3-diethyl-2:4-diketo-piperi-

dine, and its mild action and wide margin of safety have advantages in the treatment of cough of all types. It is also a mild general sedative for infants and children. Sedulon syrup contains 50 mgm. of active base in each teaspoonful, and the dose ranges from one tablespoonful for adults to twenty minims for infants.

BECANTYL: Recently introduced, Becantyl is sodium 2:6-ditertiary-butylnaphthalene monosulphonate, and is elaimed to be specific in suppressing cough. It appears to be remarkably free from side-effects such as anorexia, constipation and other actions of morphine-related drugs. Becantyl syrup contains 14 mgm. of active substance per teaspoonful. As the toxicity of the product is low, it may be given to both children and the aged.

ANTIHISTAMINES: The use of certain antihistamines in cough therapy is now well established, as certain types of cough may have an allergic origin. Those drugs are used in a number of elegant elixirs and linctuses, usually in association with traditional cough remedies, and they give considerable relief when expectorant therapy is required.

The mode of action of the antihistamines in the treatment of eough is not immediately apparent. Diphenhydramine has a definite broncho-dilatory action, so that in congestive conditions its use has a rational basis.

Others, such as promethazine, have a local sedative effect, and reduce pharyngeal irritation by an analgesic action. The presence or absence of an allergic factor is immaterial in such cases. With other compounds, such as chlorprophen-pyridamine, the effect is also largely a decongestive one, and suseful in cough associated with the upper respiratory congestion due to the common cold.

#### Evaluation of Cough Suppressants

The experimental evaluation of cough-centre depressants is not easy, but the following methods have been used:—

(1) Electrical rejuvaletion. Cough many have several by

(1) Electrical stimulation. Cough may be caused by electric stimulation of the submucosa of the trachea, or of the

laryngeal nerve. The degree of stimulation required before and after administration of the cough suppressant can be determined.

(2) Inhalation of irritant substances. An irritant such as soap powder, when blown into the trachea of anæsthetised animals, regularly produces coughing. That affords a useful means of comparing the protective action of different antitussives. The cough produced by the inhalation of ammonia can be utilised in a similar way.

Those methods of producing cough are extreme, and the results can hardly be compared with those produced by normal stimuli. The methods, however, though apparently harsh, do afford a means of assessing major differences in the activity of associated cough depressants.

#### Conclusion

This survey of antitussive drugs is not exhaustive, and only passing reference has been made to traditional remedies such as tolu, ammoniacum, friars' balsam, and associated preparations. Those still have their ancient power, but a sounder pharmacological approach, especially in the treatment of chronic cough, may offer a greater hope of success. Some cough remedies of the past have achieved the desired effect at the price of retained sputum, constipation and increasing dyspnoea. The newer remedies represent a more rational form of therapy, and may give considerable help, not only in relieving the distressing winter cough of the chronic bronchitic, but whenever suppression of cough is indicated.

REFERENCES
Basch, F. P., et al.; Am. J. Dis. Child. 1941. 62, 1149.
Goodman, L. S., Gilman, A., Pharmacological Basis of Therapeutics.
2nd Ed., p. 1069.
Abelman, W. H., et al.; Dis.: Chest., 1954, XXV, 532.

#### A Chartered Accountant gives answers to

# ANY BUSINESS QUESTIONS?

I am considering admitting a partner who will not, in fact, introduce any capital. If a dissolution should occur for any reason, would he be entitled to a share of the assets in the business as well as of the profits?

AFTER paying off liabilities, the net assets at a dissolution of partnership represent capital invested in the business plus any undrawn profits. The profits are, of course, credited to the partners in their profits-sharing ratio. Then, subject to any special agreement, the firm's assets are distributed accordingly in the following order:—1. To meet liabilities of the firm to persons who are not partners. 2. To repay advances (as distinguished from capital) made by the partners to the business. 3. To pay cach partner rateably what is due from the firm to him in respect of his capital account at the date of dissolution, 4. To distribute any surplus (rising, for example, from the sale of the assets) amongst the partners in the proportion in which profits are divisible.

#### A PHARMACIST'S ANTHOLOGY

#### HER LEG AS HIS PATIENT

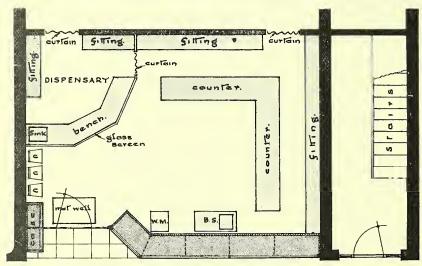
From "Thomas Carlyle," by Julian Symonds

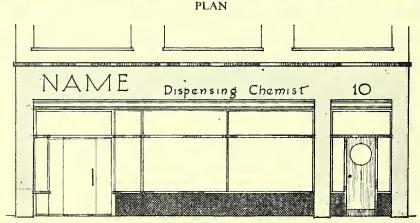
During this time she [Jane Carlyle] was seen by several doctors, including the local Barnes, and Doctor (later Sir) Richard Quain, a fashionable physician of the day. Doctor Quain had recommended for Jane's neuralgic arm quinine pills, an embrocation of opium, aconite, camphor, and chloroform and castor oil every two or three days. He now attended her very willingly, refused to accept payment, and prescribed a variety of drugs, which had no beneficial effect. Doctor Barnes declared quite frankly that nothing could be done: and Jane was distressed to find that he appeared to regard her leg as his patient and her arm as Doctor Quain's. In the meantime she was conscious of hardly anything but pain "indescribable, unaided pain," as Carlyle put it, so great that she asked Doctor Quain for poison to end her life.



I intend to build a new shop for my daughter as soon as the necessary plans are passed, and I would like your opinion on my enclosed rough plan together with any improvements you can suggest. The building is a new one and measurements are not binding.

THE plan and elevation I am sending will, I trust, assist you. I have asumed that the new shop will be 25 ft. wide in the clear of the pilasters and 19 ft. deep back to front. Those dimensions are indicated by your own rough plan. The two





**ELEVATION** 

9-in, brick pillars which you suggest on your draft layout have been omitted, it being assumed that a steel joist will span the new opening and leave an unobstructed space. To site the dispensary in view of customers the entrance door has been placed on the left instead of in the centre.

PLAN: The entrance consists of a 3 ft, wide armour-plate door flanked with armour-plate wings each 15 in, wide. On the left-hand wall would be a cantilevered display case as shown, the case "running through" the side glass panel and giving a contemporary note to the entrance way in that the case is half in the lobby and half in the shop. The position would be ideal for the display of cosmetics. The case would have two hinged doors, one in the lobby and the

other internally, for purposes of dressing. On the right of the entrance the main long window with its splayed lobby return is divided into five separate display areas with portable window divisions. The depth back to front of the window is 2 ft., and access could be by either hinged or sliding doors according to preference. The lobby floor is of cream-coloured terrazzo having inset aluminium strips to form the square pattern shown. The depth of the lobby is 2 ft. 6 in., and a flush inset mat-well is shown inside the shop. The dispensary faces the entrance, and its splayed screen would be veneered to a height of 3 ft. 3 in. and clear glazed above, so that the work of dispensing is visible to the customers. A series of glass shelves could, if you wish, be fixed on the inside face of the glazed screen, as that would still allow sufficient vision through the dispensing bottles. The dispensing bench follows the shape of the screen and there is a sink at one end, Two dispensing fittings are placed on the left and at the rear, and there is a curtained opening between them, leading off to the office which you propose at the rear. On the left-hand wall, too, between the dispensary screen and the end of the entrance display case, there is provision for seating customers await-

ing prescriptions. Further chairs eould be added along the front of the screen if required. The remaining section of the rear wall, together with the right-hand wall area, are given over to stock fittings with an "L"-shaped wood service-counter in front. There is a second curtained doorway in the rear wall giving access to the rear stockroom.

I want to replace glass plates on my shop with the wording "Toilet supplies, etc.", as I find landpainted signs do not stand up to the sun, etc. There are eight parts on the windows, each about 12 by 60 in. approximately, so I do not want anything too expensive.

IF there is a glazing bead around each of the glass panels upon which you wish to renew the lettering, you ear remove each pane separately by taking out the glazing bead. Consult a sign writer and tell him the type and style of lettering you want on each pane and ask him to clear acid-emboss the back ask fills to clear actu-clinosis the data ground and double acid-emboss the lettering. When you run your finger over the back of the glass so treate it will have a slight matt finish, and the letters will have bitten in a fraction deeper. The letters are then painted in to an approved colour with ename paint, and the background of each pane is painted a contrasting colour. If pain is put direct on the inside polished face of the glass there is no "key" to which the paint can adhere, and the heat of the sun causes the paint to blister and peel off. Acid embossing creates the key. You apparently have very strong sunlight on your shopfront and while I cannot guarantee that the above method will last forever, you will get at least four times the life that you are getting from your presen method. It is assumed that the pane are of 4-in, thick plate-glass. Sheet glas

would not be thick enough to take the suggested acid treat ment. I must not pretend that the treatment suggested abov is a cheap one, but over the years it is much cheaper.

#### INFORMATION WANTED

The Editor would appreciate information about suppliers of the following item:

NORCIL Pharmaceuticals, Ltd. KOPE Cream ITROSYL AZYLENE Tablets

#### NOTES TRADE

XO Laboratories, Ltd., Greenford, Middlesex, e ceased to manufacture Prolopen. WILL & Co., Ltd., 7 West Road, Kingston-on-mes, Surrey, announce that Rabro (Dutch) tric-ulcer tablets are now available in a pensing pack of 500 tablets. TOKIL, LTD., 23 Bedford Square, London, .1, are marketing a new handy home outfit prising 16-oz. Rentokil timber fluid A, cial junior injector, and 4-oz. Rentokil ecticidal furniture cream. The previous kit uid and injector only) is discontinued. FOOD, LTD., Wrenbury, Ches, now put plastic tead of tin scoops in tins of Humanised food. The new scoop, coloured "baby blue", is ier to keep clean; it may be boiled if ired. Six level scoops are still equal to z, of powder.
L SIMPKIN & Co., Ltd., Hunter Road, Shef-

ld, 6, have agreed to provide supplies of ir Vita-glucose tablets to the London School Economics Mountaineering Club for its Himaln expedition in 1956, and to the Cambridge

th Persian expedition, 1956.

LON liquid antiseptic, recently launched by erial Chemical (Pharmaceuticals), Ltd., Fulw Hall, Wilmslow, Cheshire, contains Hibitantibacterial agent and Cetavlon bacteric-The product is issued in 6-oz, bottles It on the C.E. list.

ICIALLY opened on February 29, the Packag-Tape Centre, Vauxhall Bridge, London, S.E.ll, dquarters of John Gosheron & Co., Ltd., is giving information on all packaging probs. A display centre for the company's ducts has been established at the new prem-

s. Telephone: Reliance 7600.

C cream deodorant is now issued in a plastic e and distributed by Biometica, Ltd., Fark d, Barnet, Herts. All other products of R. uth, Ltd., Bear Lane, Farnham, Surrey (Frolone, Frozolavender, Pomp, perfumes, etc.), tinue to be distributed by Thos. Christy & Ltd., Aldershot. Hants.

GLAN Laboratories, Ltd., Ponsbourne Manor tford, Herts, have increased the discount on standard Bioglan products to retail chems to 33 per cent, and to wholesalers to 33 cent, and 12 per cent. Discounts on cial formulas are unchanged. Postage is paid all orders to a net value of £2 10s. 压, Davis & Co., Ltd., Staines Road, Hounslow, dlesex, have added to their list diphtheria-

anus prophylactic (D.T.P.), containing in h dose purified diphtheria toxoid 25 Lf ts, and purified tetanus toxoid 5 Lf units. packs are 0.5-c.c. ampoules singly and in of three immunising doses and vials of

2.C. PISH Celanese, Ltd., Hanover Square, London , are marketing under the trade mark Synce1 ange of chemicals including trichloroethyl sphate and vinyl acetate monomer. Bulk pro-tion of the monomer (an addition to the ge) has commenced. Celanese brand cellulose tate flake and Celacol water-soluble ethers cellulose continue to be marketed. AN, Flockhart & Co., Ltd., 104 Holyrood Road,

burgh, 8, are marketing Prosparol: a 50 cent, oil-in-water emulsion intended for lents requiring a palatable, high caloricake in small bulk. It may be given in so of trauma (e.g., burns requiring dietary

supplementation) and for tube feeding. Prosparol is issued in bottle of 40 fl. oz. A SERIES of new herb formulations marketed by Healthcrafts, Ltd., 23 Welbeck Street, London, W.l, include C for catarrh, D for digestion, W.1, include C for catarrh, D for digestion, and R for rheumatism, each in two-week and seven week courses of eighty-five and 294 tablets,

S slimming tablets in two-week and fifty-day courses of eighty-five and 300 tablets, L laxative tablets, twenty-five and 100, V/M vitaminmineral tablets, and Gev-E tablets in threeweek and nine-week sizes of 189 and 564 tablets

and capsules.

A GILT-CASED lipstick with clip to attach it to the pocket of a handbag is introduced by Dorothy Gray, Ltd., 565 Kingston Road, Raynes Park, S.W.20. The Clip-stick Super-Stay lipstick can be removed from the cap without taking the cap out of the handbag. A slidethrough interchangeable refill enables a change of colour to be made without soiling the fingers. The acetate container of the refill serves as a dust-proof reserve compartment. The lipstick is of non-smear type.

THE launching of three new lipstick shades by Sans Egal was inaugurated with an announcement in THE CHEMIST AND DRUGGIST on March 3. They are Farisian pink (a true soft pink), rose glow ("not red, not pink, a rosy glow"), Satan's touch (a clear vibrant red). The trade announcement is being followed by heavy national advertising featuring a "60-second indelibility test" customers can perform in the short to prove that the lipstick is indelible. An instructional brochure is being distributed to stockists. For window displays a silk-screen banner is available.

#### Bonus Offers

IMPERIAL Chemical Industries, Ltd., Fulshaw Hall, Wilmslow, Ches. Savlon liquid antiseptic. Twelve for price of ten. SCHOLL Manufacturing Co., Ltd., 182 St. John Street, London, E.C.1. Dr Scholl's foot aids, 14 to doz. On orders received by March 17. Details have been mailed to chemists. Further

copies on request. TRADE REPORT LONDON, MARCH 5: Further reductions in the price of caffeine and its salts took place during the week; at 19s. 3d. per 1b. the B.P.alkaloid is down 2s., and the salts (including citrate at 13s.) down one shilling for 1-cwt. lots. Demand for piperazine on export account has been good, and supplies are now scarce on spot, with holders asking about 10s. per kilo more than previously. Crude Drugs are still being bought on a hand-to-mouth basis. Cape aloes remain difficult at origin; spot supplies are at 335s. per cwt. Gentian is firm at 147s. 6d. per cwt. on spot. Hydrastis is one shilling per 1b. dearer at 19s. Gum acacia, at 142s. 6d. per cwt., was up 5s. Spices were neglected and there were no significant price changes. In aromatic seeds, Indian celery was reported sold at 135s. per cwt. Moroccan fenugreek remained firm at 75s. Honey is in tight supply, normal sources being unable to meet commitments. Despite sales of castor oil from Government stock piles, both in Fritain and the United States, the position of the oil was firmly maintained. B.P. quality was marked up by £7 per ton. Almond oil, at 14s. per 1b., was up 3s. Brazilian peppermint is threepence per lb. lower.

#### IN PARLIAMENT

MR. R. H. TURTON (Minister of Health) in a written answer on February 24: A system of deposits for National Health Service medicine National Health Service medicine bottles and containers has often been considered, but it involves many difficulties and has not so far been thought practicable. Unless the deposit were fixed at a high figure the amount saved would bear no relation to the cost of containers, which include many that cannot be used again.
MR. DUNCAN SANDYS (Minister of

Housing and Local Government) on February 28: Report by Committee on Synthetic Detergents will be published

as soon as possible.

#### **COMPANY NEWS**

UNILEVER, LTD., and UNILEVER, N.V.—Combined turnover, £1,515 millions (against £1,437 millions in 1954); trading profits £85,556,000 (£70,095,000); taxation, £43,876,000 1954); trading profits £85,556,000 (£70,095,000); taxation, £43,876,000 (£38.218,000) and consolidated net profit, £45,180,000 (£31,854,000) which includes £6,023,000 (£2,667,000) profits relating to previous years. Ordinary dividend for year 15<sup>3</sup>/<sub>4</sub> per cent (same in 1954 but paid on smaller capital)

in the case of Unilever, Ltd.
IMPERIAL CHEMICAL INDUSTRIES LTD.—Mr. J. K. Batty (joint managing director, alkali division) has been appointed alkali division chairman in succession to Mr. W. M. Inman, who retired on February 29.

SOUTHALLS (BIRMINGHAM) LTD.—Dividend on Ordinary capital for 1955 is 10 per cent. Net trading profit, £82,007 (£126,415); taxation. £108,500 (£140,000); net profit, £92,512 (£83,772); appropriation for losses on

fixed assets due to expansion and reorganisation, £50,000 (nil).

ILFORD LTD.—Group profits for year ended October 31, 1955, were £1,782,141 (£1,782,098). After all usual charges, including tax of £814,777 (£912,417), net profit is £797,665 (£715,727). Ordinary dividend 15 per

cent (same).

MR. GEORGE RAMDIN formerly of Ramdin & Blundell, pharmaceutical valuers, points out that he is no longer a partner and is not connected with & Co. (C. & D., February 25, p.170).

MONSANTO CHEMICALS LTD.—

Consolidated trading profit for year ended December 31, 1955, was £2,818,568 (£2,940,407); consolidated net profit, after taxation, £1,097,311 (£880,739); proportion attributable to group, £1,062,138 (£845,984). Second interim dividend on Ordinary stock of 155 per cent is declared making 221 per cent total (same).

#### COMING EVENTS

#### Monday, March 12

ENFIELD Chemists' Association, George inn, Enfield Town, at 7.30 p.m. Mr. F. G. Wells on "The N.P.U. and what it means to you". PLYMOUTH Branch, Pharmaceutical Society, lecture theatre, new section, Plymouth technical college, at 7.30 p.m. Mr. D. Hudson (a member of the Society's Council) on "Various Pharmaceutical Problems". SOUTHAMPTON Branch, Pharmaceutical Society, Polygon hotel, Southampton, a t 7.30 p.m. Dr. K. Robertson (chief consultant, Southampton Group Hospitals) on "Recent Advances in Medicine".

Tuesday, March 13

BIRMINGHAM Pharmaceutical Association, Imperial hotel, Birmingham, at 8 p.m. Dr. A. Brunton on "Antibiotics"

HOUNSLOW Branch, Pharmaceutical Society, Sun hotel, Hanworth Road,

Hounslow, at 8 p.m. Holiday films.

LEEDS Branch, Pharmaceutical
Society, Capitol ballroom, Meanwood, at 8 p.m. Junior members'

dance.

SOUTH - E A S T METROPOLITAN Branch, Pharmaceutical Society, New Cross inn, 323 New Cross Road, London, S.E.14, at 8 p.m. Mr. J. W. Hadgraft (chief pharmacist, Royal Free Hospital) on "Pharmaceutical Aspects of Dermatology

Wednesday, March 14

EXETER Branch, Pharmaceutical Society, Imperial hotel, Exeter, at 7 p.m. Annual dinner and dance.

GLASGOW AND SOUTH-WESTERN
SCOTTISH Branch, Pharmaceutical
Society, Royal technical college, George Street, Glasgow, at 7.45 p.m. Illustrated talk by Mr. T. D. Mackinnon on "Kangchenjunga".

LIVERPOOL Chemists' Association and Branch, main court, Adelphi hotel, Liverpool, at 6.30 p.m. Annual

dinner and dance.

OXFORD County and City Pharma-ceutical Committee, council chambers, town hall, Oxford, at 7.45 p.m. Mr. H. B. Coulson (a member, Central N.H.S. (Chemist Contractors) Committee) on "Remuneration for Chemist Contractors" Chemist Contractors". SCOTTISH Department, Pharmaceu-

tical Society, 36 York Place, Edinburgh, at 7.30 p.m. Messrs. D. H. O. Gemmell and J. C. Morrison (Royal Technical College, Glasgow) on "The Evaluation of Drug Release from Topical Applications"

SOUTH SHIELDS Pharmacists' Association, King's hall, King Street, South Shields, at 7.45 p.m. Annual

dinner and dance.
WATFORD AND ST. ALBANS
Branch, Pharmaceutical Society, Branch, Pharmaceutical Society, Blacksmith's Arms, St. Peters Street, St. Albans, at 8 p.m. Annual Meeting.

Thursday, March 15

CHELTENHAM Branch, Pharmaceuham, at 7.15 p.m. Annual dinner and dance. Ticket available from Mr. P. A. J. Appleyard, 12 Hester's Way Road, Cheltenham, price

LONDON Chemists' Golfing Society, Cafe Royal, Regent Street, London, W.1, at 6.30 p.m. Annual dinner and dance.

MANCHESTER AND SALFORD Branch, Pharmaceutical Society, Council chamber, Houldsworth Hall, at 7.45 p.m. Mr. R. H. Kemp (secretary, Chemists Federation) on "The Restrictive Trade Practices Bill". NORWICH Branch, Pharmaceutical Society, Del Ballroom, Tombland, Norwich, at 7.30 p.m. Annual social. Ticket from Mr. H. P. Whiteside, 15 St. Stephen's Road, Norwich.

PORTSMOUTH Branch, Pharmaceutical Society, Swiss cafe, High Street, Gosport, Hants, at 7.30 p.m. Discussion on resolutions for Branch Representatives' meeting. Friday, March 16

BRITISH Association of Chemists, Barnes hall, Royal Society of Medicine, 1 Wimpole Street, London, W.I, at 6 p.m. Mr. T. McLachlan on "The Analyst—Chemists, Techni-cian, or Magician"?

#### WEEKLY PRICES

A=Advanced; R=Reduced; I.R.P.= Inclusive Retail Price; \*=Tax 30 per cent; \*\*=Tax 60 per cent; \*\*\*=Tax

90 per cent. P.A.T.A. PROTECTED LIST (Alterations notified this week by the Proprietary Articles Trade Association) HORLICKS LTD. (tax exemption)

Each Becaptan ampoules 6 66 8 100 0 R
50 500 0 750 0 R
ADDITIONS TO PROTECTED LIST
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Swivel standard

28 9 lipstick\*\*\* refill\*\*\* 15 0 13 9 Junior lipstick 13 9 2
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BIOREX LABORATORIES LTD. Bioflue\* 18 0 ERIC C. CLEAVER LTD.
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lotion\*\*\* 2 oz. 12 12 0 21 0 2 dispenser\*\*\* 4 oz. Perfumes\*\*\* nocturne, mazurka, polonaise 21 0 4 HEALTHCRAFTS LTD. Herb formulas (catarrh), D (digestion), R (rheumatism) tablets 85 S (slimming) tablets

V-M (vitamin-mineral) 125 9 tablets 23 375 Gev-E-tabs 18 189 48

L (laxative) tablets

300

22

8

2

7

IMPERIAL CHEMICAL (PHARMA CEUTICALS) LTD. Savlon liquid antiseptic\* 18 4 MACWILL & CO., LTD. Rabro tablets 1½ gr. 500 55 0 PARKE, DAVIS & CO., LTD. Diphtheria-tctanus prophylactic

(D.T.P.) 0.5-c.c. ampoule set of three doses 10-c.c. vial SCOTT & BOWNE LTD. 10

Sans Egal: Parisian pink, rose glow, satan's touch lipstick refill

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SPECIFIC AGAINST MANY
GRAM-NEGATIVE ORGANISMS

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CREAM BASE

Screw-capped pots containing 45 gm. and 225 gm.

# 'Aerosporin'

Bottles of 10 c.c. with dropper

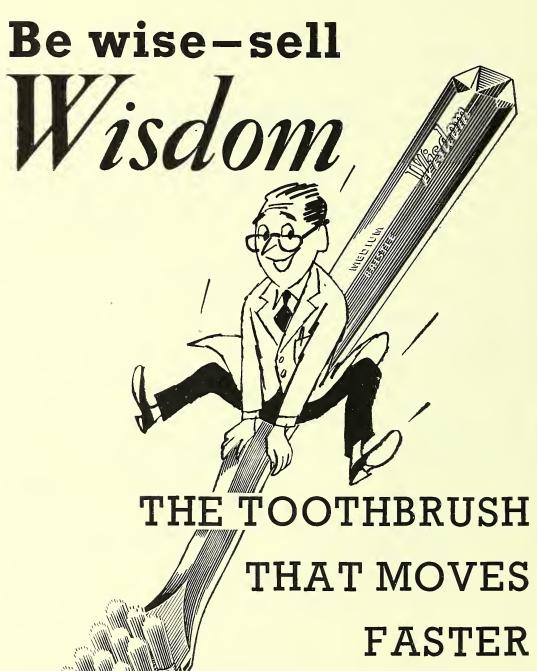
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#### BARBITURATE AND MORPHINE ANTAGONISTS



#### 

**β-ethyl-β-methylglutarimide** 

### and DAPTAZOLE

2:4-Diamino-5-phenylthiazole hydrochloride

### **Ba**rbiturate **Poisoning**

"MEGIMIDE" is "a barbiturate antagonist of real clinical worth. To omit to use it in the treatment of barbiturate poisoning is to run the risk of the broncho-pneumonia that is so often fatal in these cases." (Lancet, 1955, i, 181.) "DAPTAZOLE," itself a weak barbiturate antagonist, enhances the action of "Megimide."

"Megimide" and "Daptazole" administered together intravenously ensure safe, quick recovery from barbiturate intoxication without the risk of convulsions and secondary depression which often follow the use of other central analeptics.

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"DAPTAZOLE," the new morphine antagonist, has recently been shown (Brit. Med. J., 1955, i, 1367) to remove the risk of respiratory depression associated with high morphine dosage and to make tolerance or addiction unlikely.

"Daptazole" relieves respiratory depression by increasing the depth of respiration, while in some cases the vomiting and, in most cases, the constipation associated with morphine are also relieved.

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in Barbiturate "MEGIMIDE" is of value to lighten or terminate the anaesthesia of patients under the influence of barbituric anaesthetics.

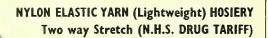
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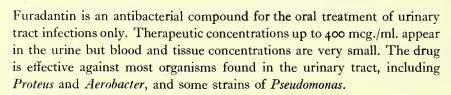
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BRAND OF NITROFURANTOIN

### in urinary tract infections



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sensitivity tests, will be sent on request.

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WORKS CHEMISTS - May & Baker Ltd., Dagenham, Essex, due to expansion and staff promotions, have vacancies for two Works Chemists for control of chemical plant and processes. Applicants should be on B.Sc. standard, with a thorough grounding in organic chemistry. Candidates will be considered from students completing their course this summer. Salary according to qualifications and experience. Prospects are excellent for candidates with appropriate personality and flair for production work. Apply initially in writing, quoting reference No. 79, to the Personnel Officer. C9826.

SOUTH COAST - A Representative with good connections chemists, stores, wholesalers, etc. is required by internationally known firm marketing toilet preparations. Remuneration is by salary/expenses/commission and the preparations at present marketed are backed by national advertising. The position is one that offers interest and scope for a person with drive and initiative. Applicants must be car owners. Write in confidence giving details of past experience and area covered to Box C9829.

GENERAL SALES MANAGER. Important ethical Pharmaceutical House in London invites ap plications for the Senior Post of GENERAL SALES MANAGER. Candidates, aged around 40, must be of exceptional personality and experience, with qualities of iniative, leadership and administration. Preference will be given to applicants with similar experience in the ethical pharmaceutical field. The salary for the post is an attractive one, supplemented by a non-contributory Pension scheme. Those interested should send full details of their educational and business background; this information will be regarded as Confidential. PERSONNEL MANAGER, Box C9830. REPRESENTATIVES with live

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REPRESENTATIVE required by the Dubarry Perfumery Co. Ltd., Hove, for the territory covering the counties of South and West Wales, Gloucestershire, Somerset, Devon and Cornwall. Car provided, full running expenses paid. Liberal salary and commission. Preference given to applicants with established connections with retail chemists, stores, etc. Experience in pharmaceutical products an advantage. Write with full particulars to Goldstone Laboratories, Hove 4, Sussex. C9787.

PHARMACEUTICAL MANUFACTURING COMPANY of international repute require an energetic man to carry out the duties of chemicals buyer. A knowledge of drugs and organic intermediates would be an advantage but a young man with the right background would be considered. The company will shortly move to a new factory on the North East Coast which will provide good opportunities for progress in this particular field. Box C9790.

MEDICAL REPRESENTATIVE required for the Sheffield Area. Age preferably 25 to 35. Personality, enthusiasm and sales ability are prime requirements. Pharmaceutical experience an advantage but an interest in medical technicalities and ability to learn quickly are an acceptable alter-native. This is a congenial wellsalaried post (with the minimum of paper work) detailing highest quality pharmaceutical products to the medical profession and servicing the retail and wholesale pharmaceutical trade. A car, replaced annually, is provided: liberal expenses allowed, and a non-contributory pension scheme is operated. Applications in writing, giving fullest details of education and experience should be addressed to the Sales Manager, Lederle Laboratories Division, Cyanamid Products Ltd., Bush House, London, W.C.2

C9830.

A LEADING COSMETIC HOUSE requires the services of a qualified woman chemist with initiative, a flair for colours, and good experience in compounding, formulating, and research in connection with the manufacture of lipsticks and rouges. Prospects high; location London. Write stating salary, experience, etc. Box C3417.

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FEMALE registered qualified chemist required by chemist store in Kitwe, Northern Rhodesia. Commencing salary £80 per month. Details of leave privileges and accommodation sup-

plied on enquiry. Write to Box 3396, Frost-Smith Advg., 64
Finsbury Pavement, London,
E.C.2. C9734.

£3,000

SALARY: not less than £3,000 p. a. with generous superannuation terms.

GRADE: highly qualified scientist preferably with administration experience, in a large pharmaceutical manufacturing com-

POSITION: Head of the Research and Development Departments of large pharmaceutical manufacturing company with world wide interests. He will be expected to direct Research, Control and Development departments.

LOGATION: Home Counties.

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All applications will be dealt with in strict confidence.

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FIRST-CLASS REMUNERATION offered to first-class representative, having worthwhile connections with chemists and best grocers. Required for (1) Warwickshire, Worcester and Hereford area, (2) Liverpool area, by old-established company which supports its products by National advertising. Substantial salary, non-contributory Pension Scheme, expenses paid. Full details to Box C9838.

SALESMAN: A leading pharmaceutical company invite applications for positions as salesman to call on wholesale and retail chemists. There are vacancies in a number of territories. The essential qualifications are sales ability and enthusiasm. A knowledge of pharmaceutical products and the chemist trade is desirable. There is a non-contributory pension scheme in existence, and a car will be provided. Good starting salary and expenses. Applications showing age, qualifications, full details of experience and salary required to Box C9747.

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MANUFACTURING CHEMISTS in Lancashire require the services of a) Pharmacist to directly supervise manufacture and packaging. Applicants should have a minimum 2-3 years practical experience after qualifying of the manufacture of tablets, ointments, and sterile work. This post provides an opportunity to broaden one's knowledge of pharmaceutical manufacturing alongside work study and costing procedures. b) <u>Tablet Maker</u> of "improver" standard. Minimum 2 years experience. Details of experience and salary required should be forwarded to the Manager, Box C9844.

RIKER LABORATORIES LTD. have a vacancy for a representative for a Yorkshire territory. A pharmaceutical qualification is desirable but consideration will be given to other suitably qualified persons. A Company car is provided and remuneration is by salary, expenses and bonus. There is a Company pen-sions' scheme in operation. Previous experience is not essential as full training will be given. Apply in writing in the first instance to Sales Department, Morley Street, Loughborough, marking the envelope 'Medical Representative!: C9828.

ASSISTANTS, (unqualified, male or female) required for analytical laboratory in North Manchester. Previous experience of pharmaceutical analysis an advantage but not essential. Progressive post, Pension Fund, five day week with facilities for part-time study. Box C9837.

MEDICAL REPRESENTATIVE required for the London area. Preference given to applicant with good pharmaceutical background, personality and enthusiasm. Representative is to visit doctors and hospitals, as well as pharmacies. Good salary, liberal expenses, as well as a congenial and stable situation are offered. Applications with photograph, giving full particulars of age, qualifications, experience and salary required to Box C9843.

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FULLY EXPERIENCED <u>Pharmaceutical Chemist</u>, M.P.S. 50; Specialist in formulation, particularly in respiratory complaints, desires position in solo lab with progressive firm. Apply Box C3402.

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LOCUM - LADY PHARMACIST, Edinburgh, available for locum duties after Easter. Hospital and retail experience. State staff, hours, Salary. Box C3423

L.P.S.I. at present engaged Dublin desires change. London area preferred. Age 38. Well recommended. Box C3430.

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NORTH DEVON well fitted Pharmacy for sale, good Health Service connection - Lease fourteen years to run (opportunity to purchase) - annual turnover approx. 18000. First enquiries to L.G. Mason & Company, Chartered Accountants, 3 Fore Street, Bridgwater, Somerset. C3414.

NORTH-EAST SCOTLAND. Old established business with double windowed shop and house adjoining on main street of prosperous market town. Overturn £9,000 per annum. For further particulars apply to Box C3397.

WATFORD, Herts. Excellent Pharmacy, just off High Street for sale. Good lease at £450 per annum. Average takings £400 monthly. Price £1500 or reasonable offer. S.A.V. Apply Proffitt & Gough, 37 St. Albans Road. Watterd, (tel. 6179/4235).

#### AGENTS WANTED

AGENTS WANTED for Bisks Slimming Biscuits. Retail and Wholesale Chemists. Several areas open. National advertising commencing March in new double size pack. Excellent agencies for men with established first class connections. Applications in strictest confidence. Andomia Products Limited, Kemtheutic House, Bradford, P.O. Box 242.

#### TRADE MARKS

THE TRADE MARK No. 741779 consisting of the word "MAGNA-CAINE" and registered in respect of anaesthetics was assigned on 6th February, 1956, by Allen & Hanburys Limited of Three Colts Lane, Bethnal Green, London, E.2., to Genot-Dausse Limited of Mount Pleasant, Alperton, Wembley, Middlesex, without the goodwill of the business in which it was then in use. C9793

#### TENDER

SOUTH WEST METROPOLITAN HOSPITAL REGION.

Tenders For Drugs. The South West Metropolitan Hos pital Pharmacists Committee on behalf of the participating Hos pital Management Committees and Boards of Governors of Teaching Hospitals, invites tenders for the supply of drugs to various Hospitals in the Region and to certain Teaching Hospitals in London for a period of one year from JULY 1, 1956. The items comprise general drugs and chemicals (including glycerin, liquid and soft paraf-fins, malt extract, methylated spirit and soft soap), hormone preparations, vitamin preparations, ointments, injections (including radiologicals), capsules and tablets. Applications for tender forms should be made in writing to the Contracts Officer: W.E.L. Jones, Esq., Supplies Department, St. Helier Group Hospital Management Committee St. Helier Hospital, Carshalton, Surrey. Due date for return of tenders: - March 26th., 1956.

W.S. BENJAMIN, Secretary to the Committee.

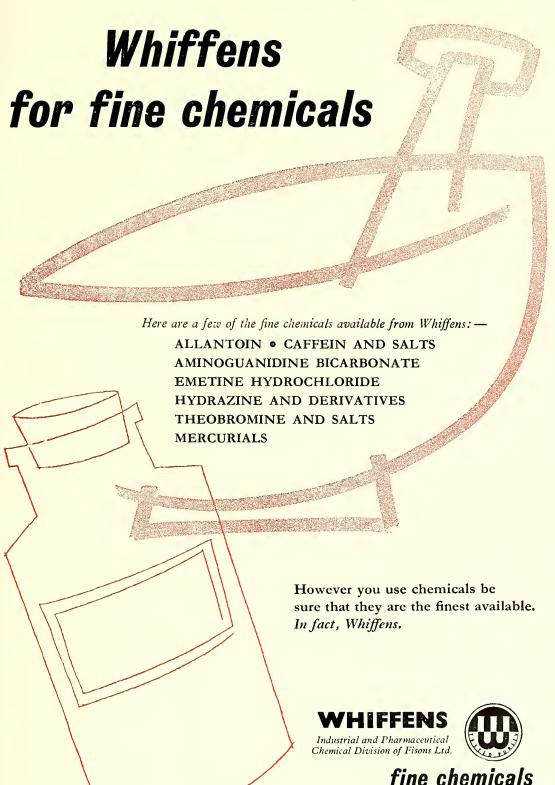
C9808

#### LATE

#### CLASSIFIED ANNOUNCEMENTS

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